

Title (en)

Fault detecting apparatus for four-wheel drive vehicle

Title (de)

Fehlererfassungsgerät für vierradgetriebenes Fahrzeug

Title (fr)

Dispositif de détection d'un défaut pour véhicule à quatre roues motrices

Publication

EP 1630027 A2 20060301 (EN)

Application

EP 05017914 A 20050817

Priority

JP 2004242983 A 20040823

Abstract (en)

A fault detecting apparatus for a four-wheel drive vehicle is provided for avoiding without fail any erroneous detection due to a response delay associated with an operation for switching a speed increasing system and due to sudden fluctuations in wheel speed, to highly accurately detect a fault in the speed increasing system. The speed increasing system is configured to transmit a driving force of a prime mover directly to main driving wheels and to sub-driving wheels through associated clutches, and to increase rotational speed of the sub-driving wheels above rotational speed of the main driving wheels when a speed increase instruction signal is outputted. The fault detecting apparatus comprises an S-AWD-ECU for detecting a fault in the speed increasing system, and for disabling the fault detection until a predetermined time has elapsed after a speed increase instruction signal was outputted or after the output of the speed increase instruction signal was stopped.

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

JP H0764219 A 19950310 - FUJI PHOTO FILM CO LTD

Cited by

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